

Title (en)

APPARATUS FOR DISPLACING THE PLASTICISING UNIT OF A PLASTIC INJECTION-MOULDING MACHINE

Publication

**EP 0255569 B1 19910508 (DE)**

Application

**EP 87104280 A 19870324**

Priority

DE 3626647 A 19860806

Abstract (en)

[origin: US4753589A] A transposing apparatus for moving a replaceable plasticizing unit of an injection molding machine from a position in which it is disengaged from an injection mold assembly of the machine, but is still in an axial alignment with the injection axis thereof, onto an emplacement spaced from the injection axis. The apparatus includes a stationarily supported transport rail oriented generally horizontally and transversely to the injection axis; a sled mounted for travel on the transport rail; and a hoisting device mounted on the sled for lifting the plasticizing unit into and holding it at a transporting height while the sled moves with the hoisting device from the disengaged position to the emplacement. The transposing apparatus has a pivotal lever forming part of the hoisting device and is mounted on the sled for up and down swinging motions about a generally horizontal axis; and first and second cooperating coupling devices mounted on the plasticizing unit and the pivotal lever, respectively. The first and second coupling devices have a connected state in which the plasticizing unit is rigidly coupled to the pivotal lever for movement from a generally horizontal orientation from the disengaged position or the emplacement through an approximately 90 DEG turn into an upended orientation into the transporting level.

IPC 1-7

**B29C 45/17**

IPC 8 full level

**B29C 45/02** (2006.01); **B29C 45/07** (2006.01); **B29C 45/17** (2006.01); **B29C 45/46** (2006.01)

CPC (source: EP US)

**B29C 45/176** (2013.01 - EP US)

Cited by

EP0291008A3

Designated contracting state (EPC)

AT CH DE FR GB IT LI NL

DOCDB simple family (publication)

**US 4753589 A 19880628**; AT E63258 T1 19910515; CA 1272862 A 19900821; DE 3626647 C1 19871112; DE 3769883 D1 19910613; EP 0255569 A2 19880210; EP 0255569 A3 19890426; EP 0255569 B1 19910508; HK 99992 A 19921218; JP H0377049 B2 19911209; JP S6381013 A 19880411; SG 97592 G 19930129

DOCDB simple family (application)

**US 7867487 A 19870728**; AT 87104280 T 19870324; CA 543242 A 19870729; DE 3626647 A 19860806; DE 3769883 T 19870324; EP 87104280 A 19870324; HK 99992 A 19921210; JP 19459387 A 19870805; SG 97592 A 19920929